

### Abstract

The present invention relates to a capture device of the orientation of a solid comprising:

- 5       - at least a sensor(10a, 10b) of angular position, capable of being made solid with the solid and of supplying at least a measuring datum ( $\Theta_m$ )representative of the orientation of the solid,
- means (14) for generating test data ( $\Theta_t$ ) representative of an estimated orientation of the solid,
- 10      - means (18) for modification of the estimated orientation of the solid by confrontation of the measuring datum and test data.

Application to computer input peripherals, in the medical field.

15   Sole figure.